



SHA

State Highway
Administration

Maryland Department of Transportation

MD 175 from Reece Road to Mapes Road/Charter Oaks Boulevard

Widening, intersection and access improvements

2014 - 2018

This Presentation Covers...



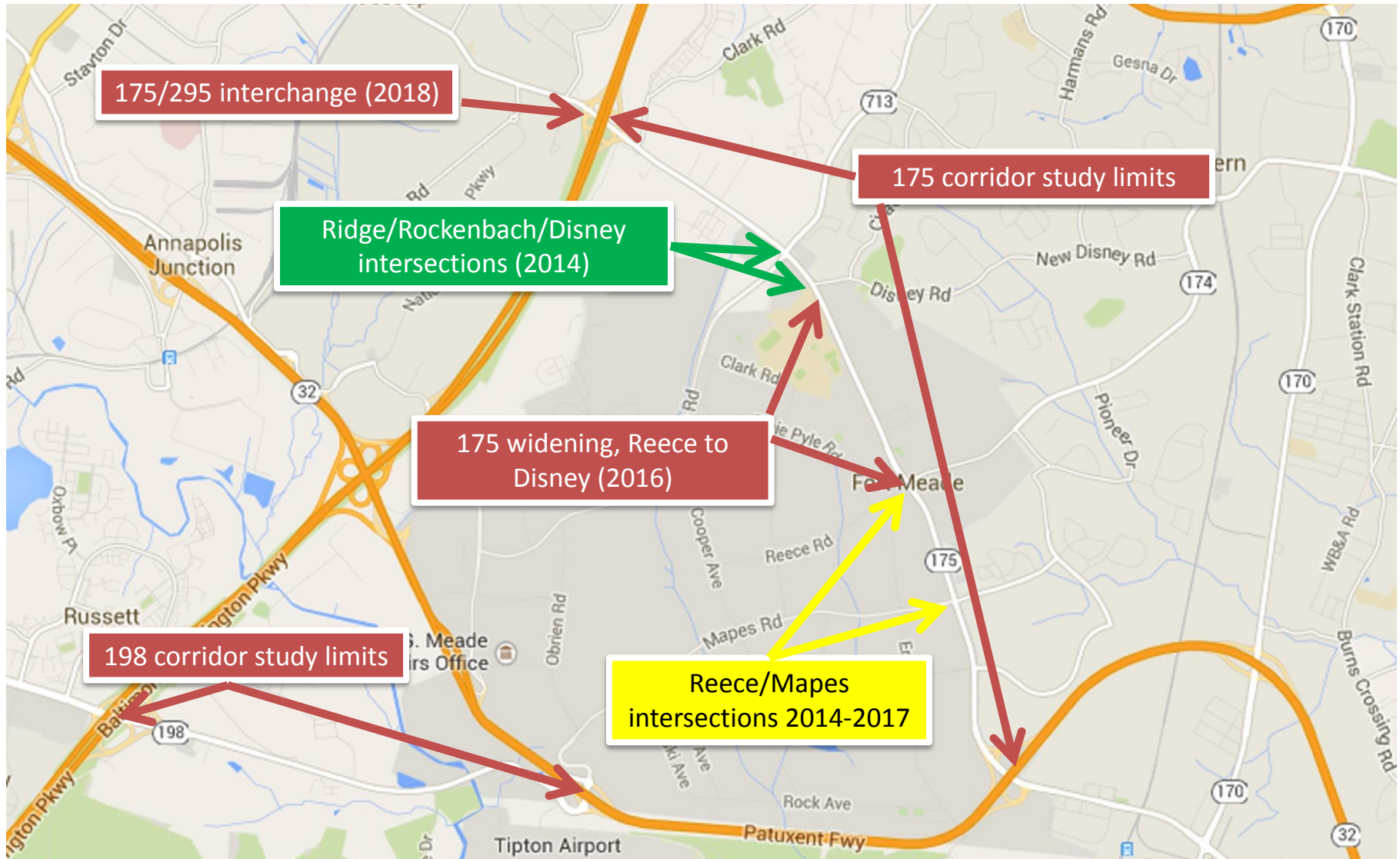
- General look at Ft. Meade area projects
- Project purpose/need
- Contract information
- Work description
- Unique challenges/issues

Ft. Meade area projects



- MD 175 corridor study – from MD 295 to MD 32
- MD 175 intersection improvements from Ridge/Rockenbach Roads to Disney Road/26th Street (2014)
- MD 175 intersection improvements from Reece Road to Mapes Road/Charter Oaks Boulevard (2014-2018)
- MD 175 widening from Reece Road to Disney Road (2016)
- MD 175/MD295 interchange (2018)
- MD 198 project planning study – from MD 295 to MD 32

Ft. Meade area projects



Project Purpose

Reece/Mapes/Charter Oaks



- Fort George G. Meade is expected to add 5,700 jobs due directly to BRAC, over 4,000 jobs due to ongoing NSA and other Army and DoD growth, and over 10,000 jobs from Enhanced Use Lease (EUL) related growth.
- This project is intended to improve traffic flow and accommodate transportation needs in and around Fort Meade.
- Design considerations included existing development and development likely to be constructed by 2015.

Contract Information

- \$11.5 million construction contract awarded 2014 to Peak, Inc. of Columbia, MD
- Reece and Mapes were originally two separate projects – combined to gain efficiencies and minimize impacts
- Ft. Meade perimeter fence relocated in 2014 under separate contract - \$1 million

Work Description

General construction



- Widen MD 175 at intersections
- Construct hiker-biker trail along eastbound MD 175
- Construct stormwater management facilities
- Relocate utilities
- Upgrade signals
- Maintain business access throughout construction

Work Description

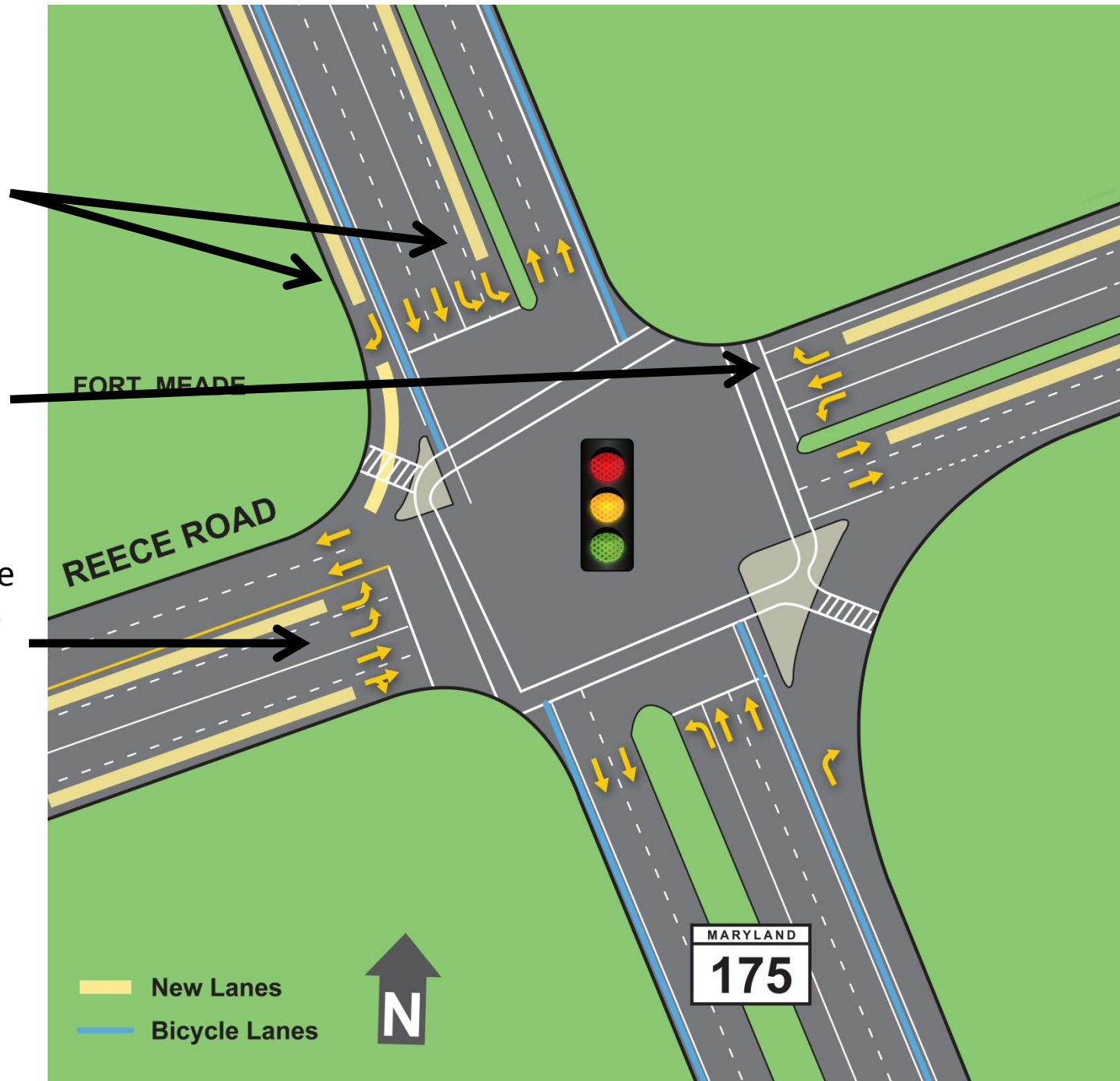
MD 175 at Reece Road



- Widen the MD 175/Reece Road intersection to accommodate a double left turn and channelized right turn along eastbound MD 175.
- Provide an exclusive right turn from southbound Reece Road to westbound MD 175.
- Restripe northbound Reece Road for a double left turn onto westbound MD 175.

Reece Road

- Double left turn and channelized right turn from eastbound MD 175
- Exclusive right turn onto westbound MD 175
- Restripe northbound Reece Road for a double left turn onto westbound MD 175
- Reconstruct signals



Work Description

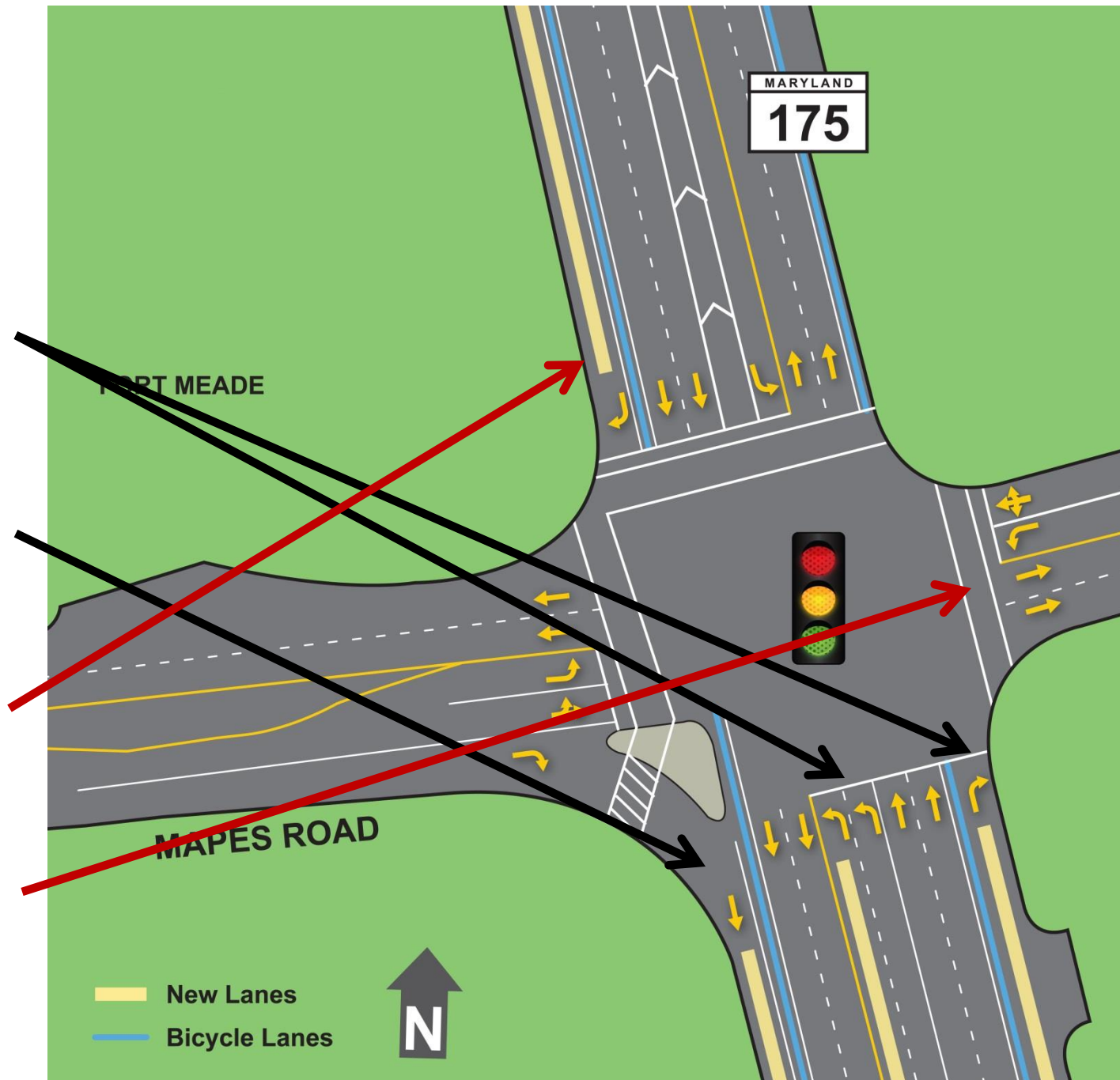
MD 175 at Mapes/Charter Oaks



- Widen the MD 175/Mapes Road/Charter Oaks Boulevard intersection to accommodate a double left turn and exclusive right turn along westbound MD 175.
- Construct a channelized right turn from northbound Mapes Road to eastbound MD 175.
- Maintain existing lane configuration along Charter Oaks Boulevard.

Mapes Road and Charter Oaks Boulevard

- Double left turn and exclusive right turn along westbound MD 175
- Channelized right turn from Mapes onto eastbound MD 175
- Exclusive right turn from eastbound 175 onto Mapes
- Maintain existing configuration on Charter Oaks
- Reconstruct signals



“What should I expect... ?”

“What should I expect...?”



- Multi-year construction – possibly into 2018
- Occasional lane closures
- Varying road conditions
- Mix of day and night work

Unique Challenges



1. Multi-agency coordination
 - Different rules, requirements, restrictions
2. Excavation – SHA road on Ft. Meade ground
3. Infrastructure/utility conflicts
4. Security

Challenges/Issues

MD 175 excavation



- Project requires excavation of 30,000 cubic yards of material (dirt) from Ft. Meade property
- A truck load is 10-15 yards
- All material remains onsite
- May take more time if security or disposal site changes are needed

Challenges/Issues

Utility work



- 26-inch high pressure gas main
- Stormwater management/roadway drainage
 - Grade/slope sensitive
- Electric, phone, cable & fiber optic relocations
- Aerial and underground

Challenges/Issues

Utility “conflicts” in general



- Utility conflicts occur when two or more utilities need to occupy the same space
 - Old/abandoned utilities might not be recorded
 - Precise location can differ from plans
- Resolution depends on utilities involved
 - Difficult conflicts might require redesign
 - Can take months to resolve a single conflict

Challenges/Issues

Other challenges



- Work phases
 - Traffic shift
 - Weather dependent, especially grading and paving
- Seasonal factors
 - Construction season is about six months, April-October
 - Seemingly small delays can force a seasonal carryover

More Information

SHA internet resources



- **www.roads.maryland.gov**
 - Click “Projects & Studies” tab
 - Then click “SHA Projects Page”
 - Then select a project from the map, by county, or click “Advanced Search” to select by route name/number
- **www.chart.maryland.gov**
 - Traffic information and live traffic cameras

Contact:

Bob Rager

Maryland State Highway Administration

410-841-1020

rrager@sha.state.md.us